

Comparisons of Job Characteristics

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 48

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Public Safety and Security	6.9	18.4	10.0	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	17.6	8.6	<<	Extensive education and/or training may be required
Education and Training	9.2	15.0	10.8	<<	Extensive education and/or training may be required
Building and Construction	4.0	13.9	6.5	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	11.9	7.3	<<	Extensive education and/or training may be required
Geography	3.9	8.4	13.3	>>	Current knowledge level is likely more than sufficient
Telecommunications	3.9	7.9	5.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Monitoring	9.9	13.4	10.6	<	A higher skill level may be required
Coordination	9.1	13.3	10.3	<<	Extensive development of skills in this area may be required

Judgment and Decision Making	9.4	12.9	10.7	<	A higher skill level may be required
Time Management	8.9	12.5	9.2	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	12.0	9.1	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	9.9	7.9	<	A higher skill level may be required
Operations Analysis	5.0	8.9	2.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 92			
Focus Occupation: Forest and Conservation Technicians (19-4093) Associated Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	14.9	11.1	<<	Extensive improvement in abilities may be required
Far Vision	7.8	12.3	11.9	0	Current ability level may be sufficient
Time Sharing	6.6	9.6	7.9	<	Some improvement in abilities may be required
Speed of Closure	5.9	9.2	6.4	<<	Extensive improvement in abilities may be required
Stamina	4.0	8.7	8.0	0	Current ability level may be sufficient
Glare Sensitivity	2.6	7.9	6.9	<	Some improvement in abilities may be required
Spatial Orientation	2.7	7.1	7.4	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	7.1	7.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 86
Focus Occupation: Forest and Conservation Technicians (19-4093) Associated Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)		
Work Activities	Exclusivity of Activity	
Communicate technical information	4	
Conduct training for personnel	30	
Control and extinguish municipal or forest fires	89	
Determine best method for attacking fire	92	
Direct and coordinate activities of workers or staff	3	
Direct and coordinate fire prevention and suppression activities	92	

Direct loading of fire suppression equipment	95
Give directions to crew on fire line during forest fire	92
Maintain records, reports, or files	5
Make presentations	13
Observe fire to note changing conditions	92
Oversee work progress to verify safety or conformance to standards	49
Prepare reports	8
Read maps	42
Use oral or written communication techniques	1
Use public speaking techniques	13
Use two-way radio or mobile phone	42
Work as a team member	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 77

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Tools and Technologies	Exclusivity
Aerial lifts	13
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Earth moving machinery	11
Fire fighting equipment	16
Garden tools	12
Geophysical and geotechnical instruments	23
Humidity and moisture measuring instruments	15
Igniters	47
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Lifting equipment and accessories	3
Meteorological instruments	16
Network applications software	1
Passenger motor vehicles	13
Personal communication devices	2
Power tools	2
Product and material transport vehicles	13
Prying and bending tools	10

Pumps	9
Safety and rescue vehicles	37
Specialized and recreational vehicles	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.